



ORDER OF DISASSEMBLY

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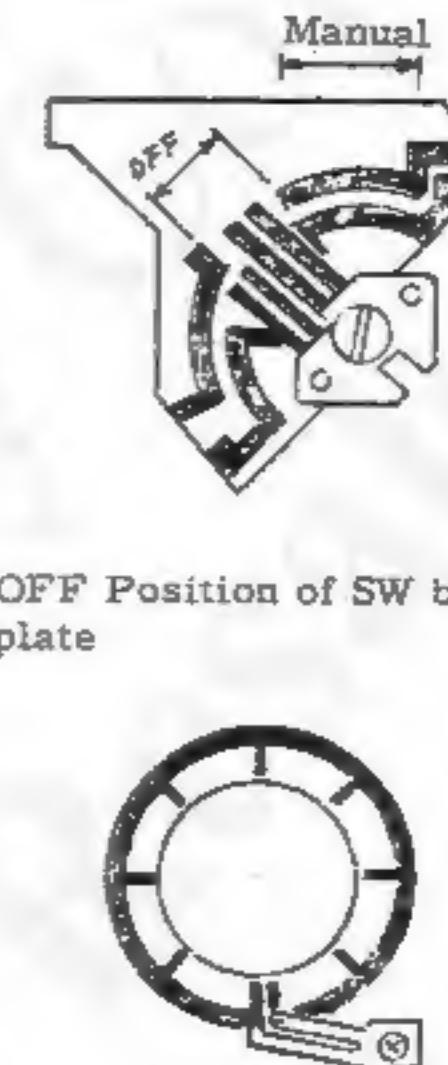
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Caution:

mark at the head of the part number shows the part which should not be touched directly by fingers. Be sure to cover fingers with rubber fingerstalls, and use new ones when they are discolored to prevent rusting.

1 Removal of CE0503

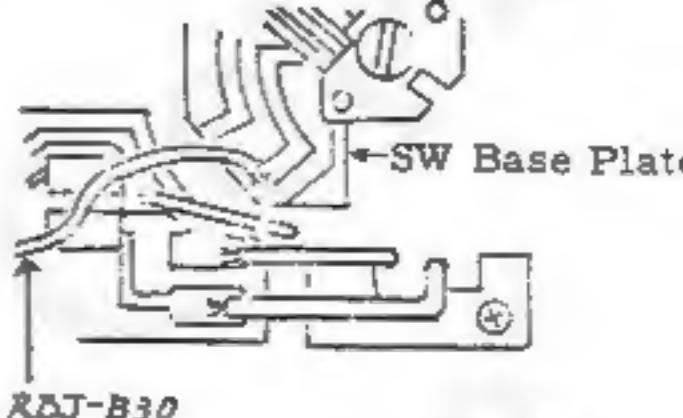
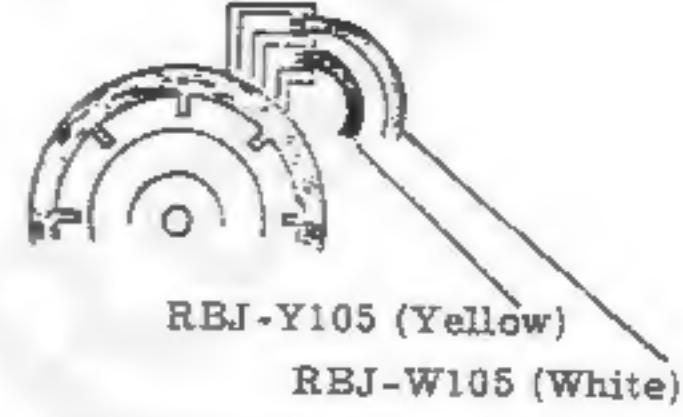
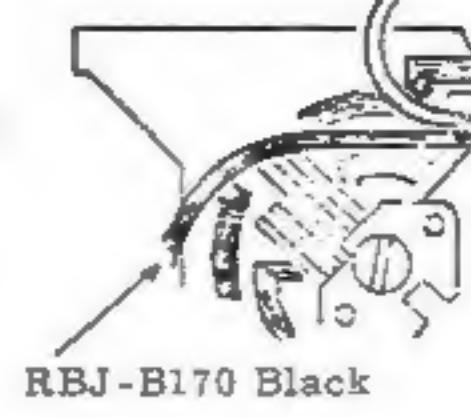
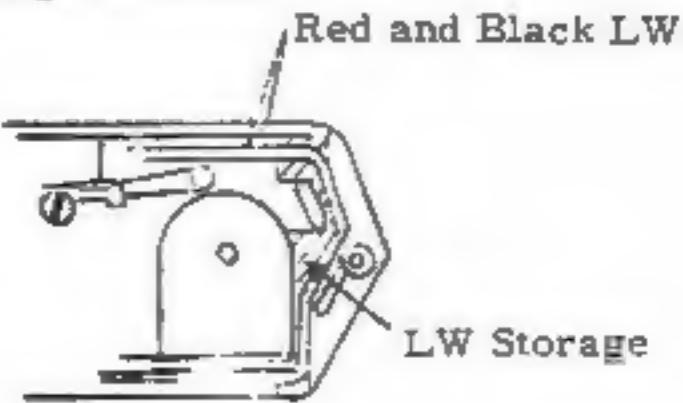
Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
CA9030 (T nut)	1	KC- CA9030G (Screw driver)		
CA8752 (FW lever holder)	1	KC- CA8752G (Screw driver)	Single body [CA9135 CA8752 CA8753 Single body [CA9180 CA8751 CA8806 CA9181	Pin face hole of CA9135 and hole of CA8752 are accorded. and the parts are removable together in one body.
CA8777 (Fastening ring)	1	KC- CA8777G (Screw driver)		KC-CA8777G is made of aluminum, and take care not scratch.
CA8725 (R Knob)	1	KC-0071M (Wrench)	Single body [CA9150 CA8730 CA8731	CA8733 is easy to be deformed. and thus the jig at left must be used.
PSK1.7x 4SB (Screw)	2	Plus Screw- driver	CE0503 unit CE0525 CE0527 (0 - 3 ea.) CA8722 NW8.6- 2136BO (0 - 1 ea.)	Prior to the removal of CE0503, set the switching lever to the OFF position and ASA to 100. The OFF and ASA 100 setting on the body side are as follow

Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
				 <p>Manual</p> <p>OFF Position of SW base plate</p> <p>ASA 100 Position of AR base plate</p>

[2] Separation of CE0502 (Front casting) from Die-cast Body

Basically, there is no difference as compared with OM-1, but the number of soldered portion is increased.

Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
CE0524 Lead Wire	1	Soldering Iron	Thermo-constrictive Tube	CE0503 should be then being removed. Remove first from the vinyl tube portion. LW on the die-cast body side is white.
CE0526 Lead Wire	1	Unger Three-wire Soldering Iron	Thermo-constrictive Tube	Remove the portion between 10K Ω resistor and purple LW (RBI-M115).

Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
Remove the soldered checker LW (RBJ-B30) from CA9483 (SW base plate)	1	Soldering Iron of 20W or less		
Remove the soldered two LWs (RBJ-Y105, RBJ-W105) of CE0640 (Base plate A)	2	"		
Remove the battery compartment LW (RBJ-B170) from CA9483 (SW base plate)	1	"		
Remove the red LW (RBJ-R47) of the front casting and the red LW (RBJ-R125) of the die-cast body bottom.			<p>Reference:</p> <ul style="list-style-type: none"> Red LW of the front casting is removable from the FP contact piece. Red LW of the die-cast body bottom is removable from the X contact piece. 	<p>Lower cover should be then being removed.</p>  <p>The above illustration shows the condition with the lower cover removed.</p>

Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
Remove the black LW (RBJ-B60) of the front casting and the black LW (RBJ-B100) of the die-cast body bottom.		<ul style="list-style-type: none"> Black LW of the front casting is removable from the main switch. Black LW of the die-cast body bottom is removable from the MG. 		
PUK1.4-404ST	1	Plus Screw-driver	CE0951	
CA9156 (Light proof padding)	2	Tweezers		Raise the movable mirror with finger before the removal.
CE0955 (Covering plate)	1		<p>Caution: CE0955 is soldered to CE0914 with the lead wire. but the removal of the solder is unnecessary.</p>	 <p>Adhered to the arrowed portion with pliobond.</p>
CA9155 (Screw)	4	Plus Screw-driver		Before removing the screw, peel off CA9102 and CA9103. For CA9103, it is sufficient to peel off the half from the strap eyelet H side in the self-lever direction.
PUK1.7-516SO (Screw)	2	Plus Screw-driver	SM Frame CE0502	

(1) Removal of CE0502 (Front casting)

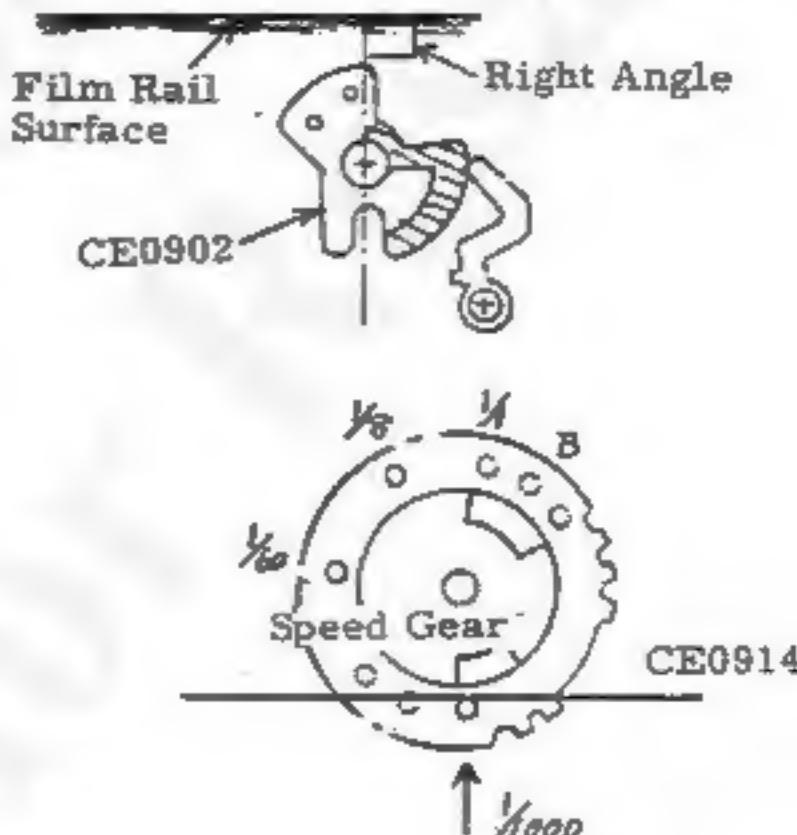
Set the SW base plate to the OFF position, keep the mirror up with the finger and remove while moving CE0502 slightly up and down so that its upper part is removed first. When the upper part has been removed, continue the removal so as to remove the part on the self-timer side. There is the possibility of breaking the vinyl covering of white and yellow LWs of CE640 when moving up and down. Thus, displace the LWs sideways to prevent the above. When CE0502 is removed, CE0955 may be hooked. In such case, thus, pay attention not to break the LW and make scratches on the mirror.

(2) Order of Docking

1) Preparation on the Die-cast Body Side

a) Set CE0902 to the OFF position.

Never turn CE0902, except the oblique line portion in the right illustration, to prevent the deformation of the contact piece.



b) Set CE0829 to 1/1000. After setting, keep it unmoved until four front screws are tightened.

c) Return to the pre-winding condition to protect the opening shutter curtain.

2) Preparation on the CE0502 Side

a) Set CA9483 to the OFF position.

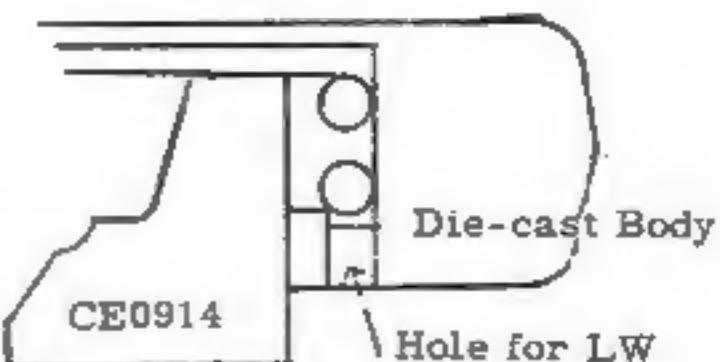
b) Set the shutter dial to 1/1000.

c) Return to the condition before the mirror charge.

3) Docking

a) Pass the red and black LWs coming out below CE0502 through the LW hole of the body.

b) When CE0955 is wired by the LW, flip up the mirror with the finger and place it into the mirror box.

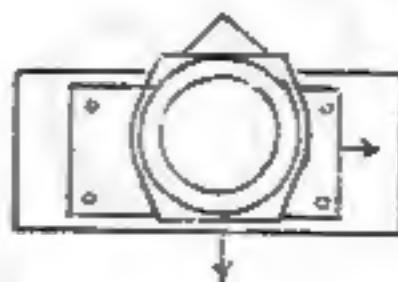


c) Insert CE0955 from the lower right portion into the body so as to insert the R shaft side first. (Take care not to jam each LW: pay attention because CE0902 is easy to move.)

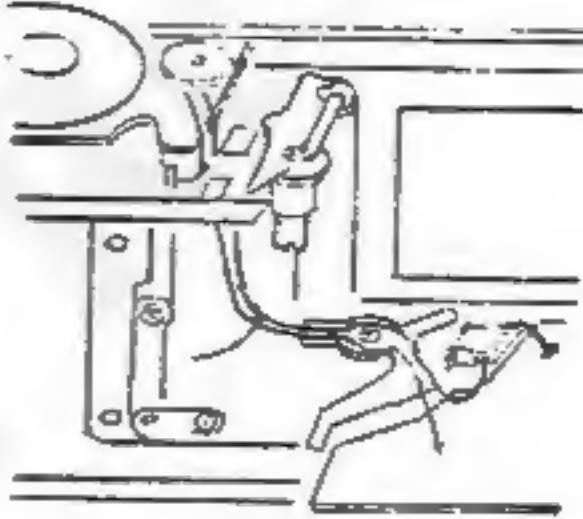
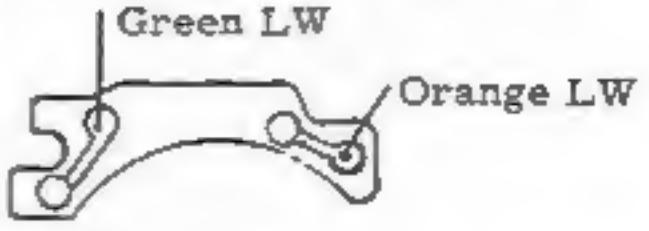
d) Make sure that the pin underneath CA9483 and the groove of CE0902 are accorded (verify switching).

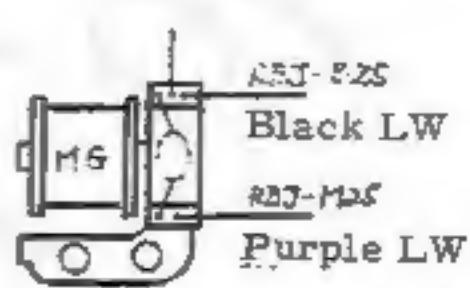
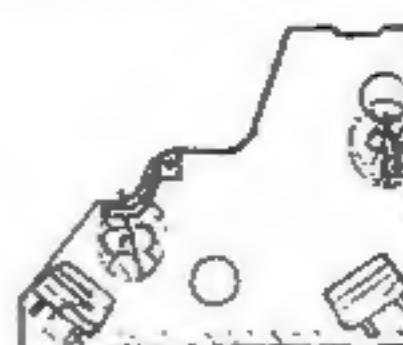
e) Hook the self-timer on the screw of the release plate.

f) Tighten four CA9155. Apply CE0502 to the lower right side. and fasten it in the diagonal direction.



(3) Removal of CE0914 M circuit board (CE0502 should be being removed.)

Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
Remove bonding of RBJ-W105 (white LW) and RBJ-Y105 (yellow LW)	1 each	Pincette		 Re-bonding must be made on the original bonding position.
Desolder green and orange LWs of CE0942.	1 each	Unger Three-wire Soldering Iron		
Desolder brown LW (RBJ-C95) on the die-cast body bottom.	1	"	CA8076	

Parts to Remove	Q'ty	Tool Used	Removable Parts	Remarks
Desolder purple LW(RBJ-M25) and black LW (RBJ-B25) of magnet.	1 each	Unger Three-wire Soldering Iron		
Desolder purple LW (RBJ-M115) of die-cast body and purple LW (RBJ-M20) of CE0938.	1	"	CA8076	
Peel green, brown and orange LWS bonded to die-cast body bottom.				After peeling off the bonding, pull each LW from under CE0515.
CE0923 (Screw)	1	Flat Compass	Single body CE0914 CE0938 CE0915 CE0829	<p>Caution:</p> <p>(1) Rubber fingerstalls must be used.</p> <p>(2) The screwdriver-adjusting resistor must not be rotated.</p> <p>(3) The oblique line portions in the illustration below should never be smudged.</p> 

(1) Order of Placement of CE0914

(Use rubber fingerstalls.)

1) Pass brown, green and orange LWS of CE0914 through the LW hole of die-cast body.

2) Set the protrusion of CE0829 toward you and, with CE0914, the notch of CE0915 toward you.

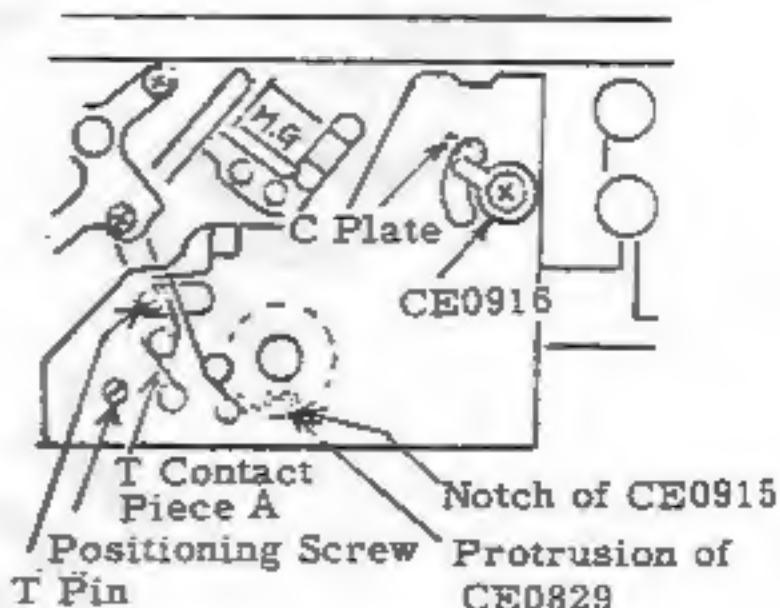
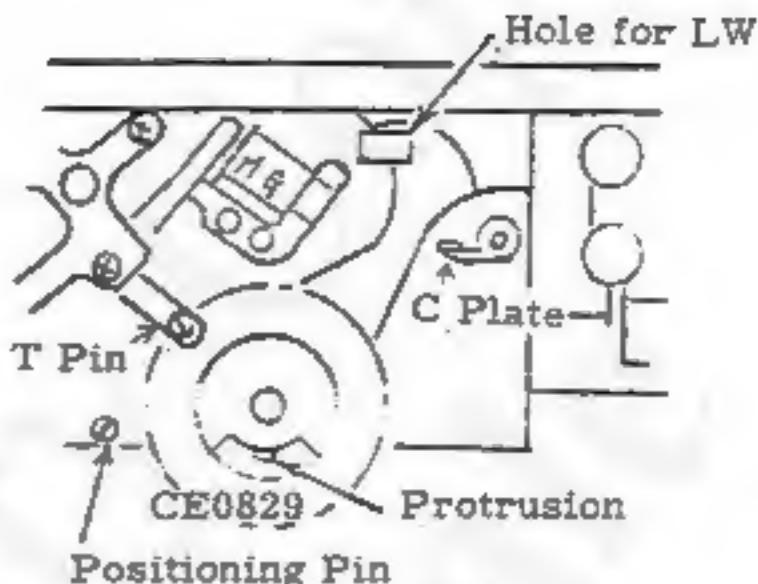
3) Accord CE0913 with CE0916 of CE0914. (CE0913 is to be recommendably set to the MANUAL position.) Push into CE0913 with CE0916.

4) Match T pin with CE0931 of CE0914. (The released shutter condition is recommendable.)

5) Put the position hole of CE0914 on the positioning screw and, at the same time, match CE0829 with CE0915.

6) Fix CE0914 to the die-cast body with CE0923.

7) Solder each LW referring to the preceding page, and adhere them to the predetermined position.



(4) Disassembly of the Shutter (Part of the lower side of the die-cast body)

See the Repair Manual for OM-1.

(5) Removal of the Shutter Curtain

See the Repair Manual for OM-1.

(6) Removal of CE0801 (S base plate)

1) Disengage cylinders A and B of the shutter curtain.
(See the Repair Manual for OM-1)

2) Remove two PSK1.7 x 3.5SO to take off CA8875.

3) Remove two PSK2 x 2SO. (Bellock is attached.)

Remove one PSK2 x 2.8SO. (Bellock is unusable.)

Then, CE0801 comes off.

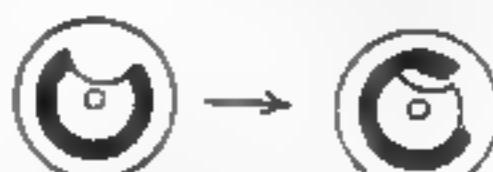
(7) Disassembly of the Film Wind Mechanism

See the Repair Manual for OM-1.

(8) Disassembly of CE0502 (Front casting)

(CE0502 should be being separated from die-cast body.)

Main Parts	Parts to Remove	Q'ty	Removable Parts	Remarks
V 40 Self-timer	CA9077 (Pinch)	1		Remove CA9077 and PSK1.4 x 2.5SO with CA9111 fully lowered.
	PSK1.4 x 2.5SO	1		After the removal, set CA9074 to the stop position to stop it in the set state, and then remove CA9071.
	CA9071 (Stopper)	1	Single body [CA9072 [CA9086 CA9075 CA9111	
	PSK2 x 3SO	2	V 40 Self-timer	Be sure to interlock CA9074 with self-timer when assembling.
LC4086 Pentaprism	PUK1.7-314SO	2	CE0524 CE0526	
	PUK1.7 x 2.2SO	2	CE0536 CA8936 LC4086	Remove PUK screw from SW base plate side.
CE0547 (Indication plate) (CE0538)	CE0539 (SL shaft)	2	Single body [CE0538 [CE0547	Remove from SW base plate side. Take sufficient care not to scratch CE0547. Clean with Ligroine if soiled.
Meter Movable Section (DS4001)	CA9008 (Pulley screw)	3	CE0635	

Main Parts	Parts to Remove	Q'ty	Removable Parts	Remarks
Meter Movable Section	PUK1.7 x 2SO Remove the soldering of CA9483. (SW base plate)	2 1	Single body CA8981 CE0626 Meter Movable Section	
	CE0642 (C washer)	1		 Remove in this state.
	CE0666 (A screw)	1	Single body CE0643 CE0645	Just loosen CE0666 (left-hand screw). Displace A contact piece 1 sideways, and remove A cam.
	HK1.4-633SN	1	CE0629	Just displace sideways not to hook when taking out the meter movable part in the next step.
	PUK1.4-605SO	2	CE0626 CE0647 Meter Movable Part	Take care not to lose teflon tube (CE0622). Take care not to break CE0640.

(1) Order of Assembly of Meter Movable Parts

1) Hook CE0647 to CE0625 as shown in the right illustration.

(CE0643 should be being disengaged and the stopper screw of CE0629 should be being removed.)



2) Apply thin coat of grease 023P to the part of the meter movable section to be inserted into the bearing of CE0625 and the part to be inserted into the bearing of CE0626, and insert them into CE0626.



3) Stop HK1.4-633SN of CE0629.

4) Place CE0626 and fix it with two bellock attached PUK1.4-605SO.

Setting Manner of CE0626

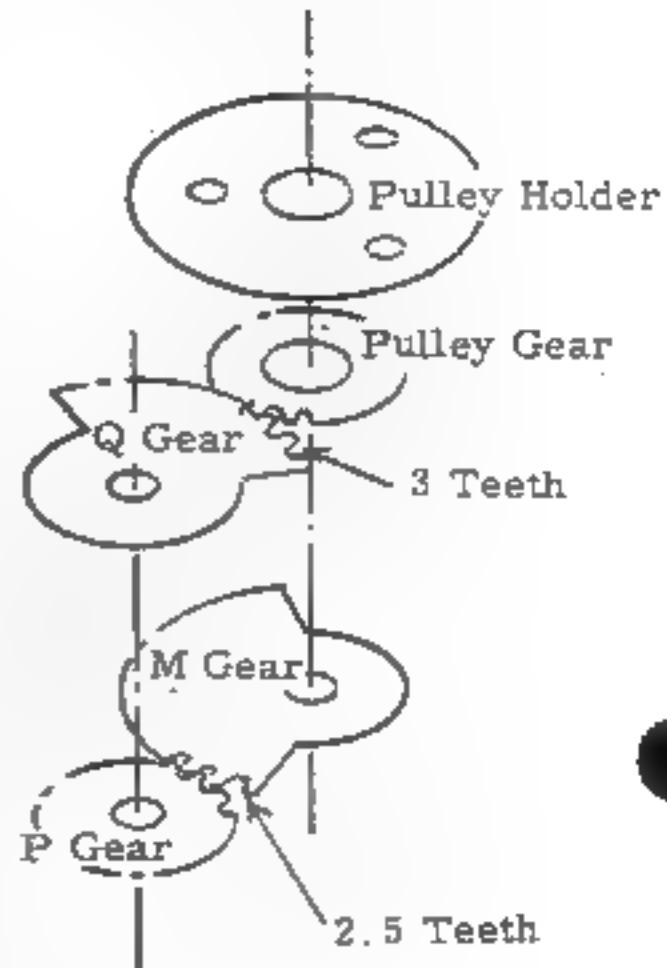
Place the half of CE0626 on the meter movable section and slide it under the A lever while pushing it downward.

5) Hook CE0647, which was hooked to CE0625, on the protrusion of the frame of the meter movable section.

6) Place CE0643, fix it with CE0642 and finally fix it with CE0666 (left-hand screw) after positioning for the A contact piece.

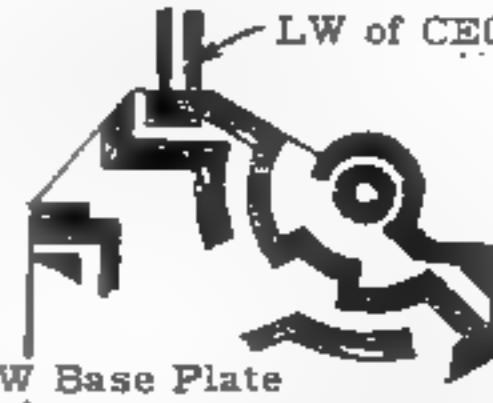
7) Remove PUK1.7-406SO, disengage the pulley gear, which is made in one body with CA8981, and decide the tooth position as shown in the right illustration.

Note: At ASA 12, the eccentric of A lever 2 is centered.



See page 25.

Main Parts	Parts to Remove	Q'ty	Removable Parts	Remarks
CE0579 CE0580 (FP contact point)	Remove the white LW (BRJ-W17) of CE0579 (F contact)	1		
	CE0582 (T screw)	2	CE0579 CA8901 CE0580 CA8900	Take sufficient care when assembling CE0582 as it is easy to break. Glue the red LW to the original position when assembling.

Main Parts	Parts to Remove	Q'ty	Removable Parts	Remarks
CE0871 CE0872 (Main switch)	PUK1.4 x 1.6SO	2	Single body CE0871 CE0872 CE0874 Note that some are provided with a sub-switch.	 <p>LW of CE0871 SW Base Plate Soldering Point of Black LW of Main Switch. This should be done with CE0579 and CE0580 removed.</p>
CE0555 (Circuit board B)	PUK2 x 4.5SG	3	Single body CA8877 CA8888 CE0520 CE0521 CE0522	<p>} Inseparable because these are combined with ■ cord.</p>
	PSK1.4 x 2SO	4	CE0519 CE0650	For the incorporation of the reset button. it is recommendable to set it on the front cover and then provide to CE0502 together therewith.
	PUK1.4 x 1.6SO	2	CE0553	
	PUK2 x 2.5 SO	■	CE0555	Loosen B cord of CE0546. and remove circuit board B and SL contact piece together.
CE0543 (Right side plate)	See the Repair Manual for OM-1.			
CA8410 (Left side plate)	See the Repair Manual for OM-1.			



OTHERS

OUTLINE OF REPAIRS

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I. FILM WINDING & SHUTTER RELEASE MECHANISMS

1. Winding binds

Cause	Remedy	Checkup
1) Improper selection of CA8844 (spring lever)	See the OM-1 Repair Manual.	See the OM-1 Repair Manual. (20 - I - D5)
2) Adjustment of brake force improper	See the OM-1 Repair Manual.	

2. Winding impossible

Cause	Remedy	Checkup
1) Parts (spring, screw, etc.) coming loose or fallen off	<p>a. Check parts relative to film winding.</p> <p>b. Check if any shutter part dropped off.</p> <p>c. Check springs and screws of front plate parts for loosening or falling off.</p> <p>Make necessary repairs.</p>	See the OM-1 Repair Manual. (20 - I - D6)
2) CA9051 (ST. screw) stuck with CA9044 (K. inner plate)	See the OM-1 Repair Manual.	
3) Defective CA8419 (lowering hook)	See the OM-1 Repair Manual.	See the OM-1 Repair Manual. (20 - I - D6, 6C)
4) Loosened CA9174 (L bearing)	See the OM-1 Repair Manual.	

3. Shutter automatically released (curtain runs) immediately upon completion of winding.

Cause	Remedy	Checkup
1) Insufficient engagement between CE0836 (opening claw A) and Gear A	<p>a. If insufficient in horizontal direction; replace either CE0836 or Gear A (whole assembly of CE0802; Gears A and B).</p> <p>At least 0.5mm</p>  <p>b. If insufficient in vertical direction;</p> <ul style="list-style-type: none"> ◦ Bend CE0836 opening claw to adjust. ◦ Adjust backlash of CE0836. ◦ Replace CE0836. ◦ Replace Gear A (whole assembly of CE0802; Gears A and B). 	Curtain should not run and next winding should be impossible until release button is depressed.
2) Improper engagement of CE0839 (M. Lever) and CE0852 (B. Lever)	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

4. Excessive or insufficient winding

Cause	Remedy	Checkup
1) Improper adjustment of front eccentric	See the OM-1 Repair Manual.	Gently wind up and see if there is a 0.1 - 0.3mm clearance until CE0836 (opening claw) stops after it drops in Gear A.
2) Delayed release of CA8824 (lock lever)	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

II. Wind lock improper

Cause	Remedy	Checkup
1) Improper operation of related parts	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

6. Shutter can be released during or prior to winding

Cause	Remedy	Checkup
1) Improper operation of related parts	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

7. Ineffective detent

Cause	Remedy	Checkup
1) Improper operation or adjustment of CA8819 (K detent)	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

8. Winding not smooth

Cause	Remedy	Checkup
1) Engagement of CA8828 (2-gear) and CA8836 (3-gear) stuck together	Adjust at mounting position of CE0801 (S plate).	Winding shall be smooth without excess grating, squeak, etc.
2) Delayed release of CA8586 (A lever spring)	See the OM-1 Repair Manual.	
3) CE0851 (A fitting strip 2) stuck	Check related parts and repair.	
4) Heavy charging force of CA8412 (M charge)	See the OM-1 Repair Manual. (20 - I - D10)	The charging force should be 430 - 500g.

Cause	Remedy	Checkup
5) Engaging of each gear unsmooth	See the OM-1 Repair Manual. (20 - I - D10)	

9. Wind lever not return or binds

Cause	Remedy	Checkup
1) Top plate mounted off position	When CE0503 (Top-cover) is mounted off position. it will cause CA8753 (lever trimming) and CE0531 (button seat) to rub each other. The mounting position of CE0503 should be adjusted.	Wind lever should return surely no matter whether film is loaded or not.
2) CA8774 (lever spring) and CA9185 (frame spring) worn out, broken or entangled	See the OM-1 Repair Manual. (20 - I - D11)	
3) Loosened CA9113 (gear holder)	See the OM-1 Repair Manual. (20 - I - D11)	

10. Shutter releasing position of button too deep or shallow.

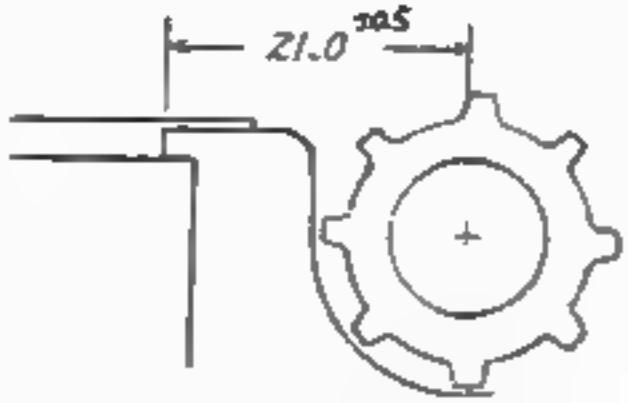
Cause	Remedy	Checkup
1) Improper adjustment of CA9084 (button shaft)	With film wound condition. CA9084 or release screw should be adjusted so that clearance between CE0854 (bulb plate) and escape pin is 0.1 - 0.3.	Taking the upper edge surface of CE0531 (button seat) as a reference. the shutter should be released within -0.05 ± 0.15 .

Diagram illustrating the shutter assembly for adjustment. The CA8842 (KS lever) is shown on the left, connected to the CE0854 (bulb plate) on the right. The Escape Pin is a small protrusion on the CE0854 plate. An arrow points to the gap between the CE0854 plate and the Escape Pin, with the text '0.1 - 0.3' indicating the required clearance.

11. Heavy release button

Cause	Remedy	Checkup
1) Operation of release plate	Check and make necessary repairs.	Releasing force of button should be 240 ± 50 grs.
2) Releasing force of lifting hook		Releasing force of lifting hook should be 50grs or less.
3) Operation of CE0853 (KL plate)		

12. Perforation position improper

Cause	Remedy	Checkup
1) Improper position of sprocket	See the OM-1 Repair Manual. (20 - I - D13) Note: CA8785 (claw gear) → CE0518	See the OM-1 Repair Manual.
2) Detent ineffective on the way of winding (See the OM-1 Repair Manual)		When sprocket is pressed toward mask in wound condition, the distance between edge of mask and sprocket tooth should be 21.0 ± 0.5 mm.

13. Film counter plate not progress or return to "S"

Cause	Remedy	Checkup
1) Improper positioning of CE0518 (claw gear)	See the OM-1 Repair Manual. Note: CA8784 (frame gear) → CE0517 CA8785 (claw gear) → CE0518	See the OM-1 Repair Manual.

Cause	Remedy	Checkup
2) Improper positioning of CE0516 (FC returning lever)	<p>See the OM-1 Repair Manual.</p> <p>Note:</p> <p>CA8775 → CA9186</p> <p>CA8778 → CE0516</p>	
3) Deformed CA8786 (C ring)	See the OM-1 Repair Manual.	
4) Improper positioning of frame stopper	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.
5) Adjustment of E pin	See the OM-1 Repair Manual.	
6) Frame spring entangled	See the OM-1 Repair Manual.	
7) Frame window of top plate and frame plate rubbed each other	See the OM-1 Repair Manual.	

14. "S" mark out of position

Cause	Remedy	Checkup
1) Adjustment of CA9184 (KS pin)	<p>See the OM-1 Repair Manual.</p> <p>Note:</p> <p>CA8807 (KS pin) → CA9184</p> <p>CA8798 (KS shaft) → CA8848</p>	See the OM-1 Repair Manual.
2) Improper gluing position of frame plate	Correct the position.	

15. Insufficient allowance after shutter release by self-timer

Cause	Remedy	Checkup
1) Adjustment of shutter matching	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

16. CA9072 (ST-lever) tilted

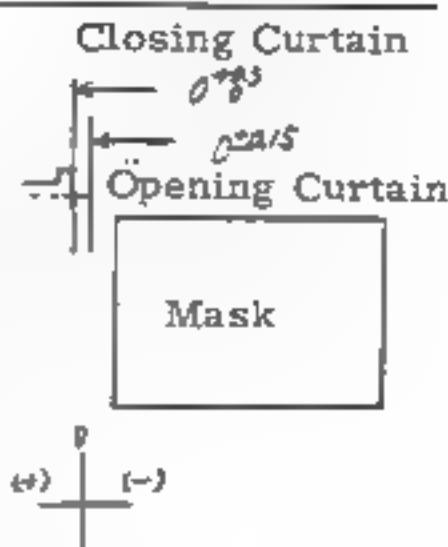
Cause	Remedy	Checkup
1) S-stopper pin of self-timer not properly adjusted	See the OM-1 Repair Manual.	See the OM-1 Repair Manual.

II. SHUTTER & MIRROR MECHANISMS

1. Curtain speed improper

Cause	Remedy	Checkup
1) Improper adjustment of CA8531 (tension nut)	See the OM-1 Repair Manual. Note: Never touch or smudge the curtain to prevent change in EE values.	The speed of both curtains should be $11.5 \pm 0.1\text{ms}$. The speed of opening curtain is desirably faster.

II. Opening curtain bounces

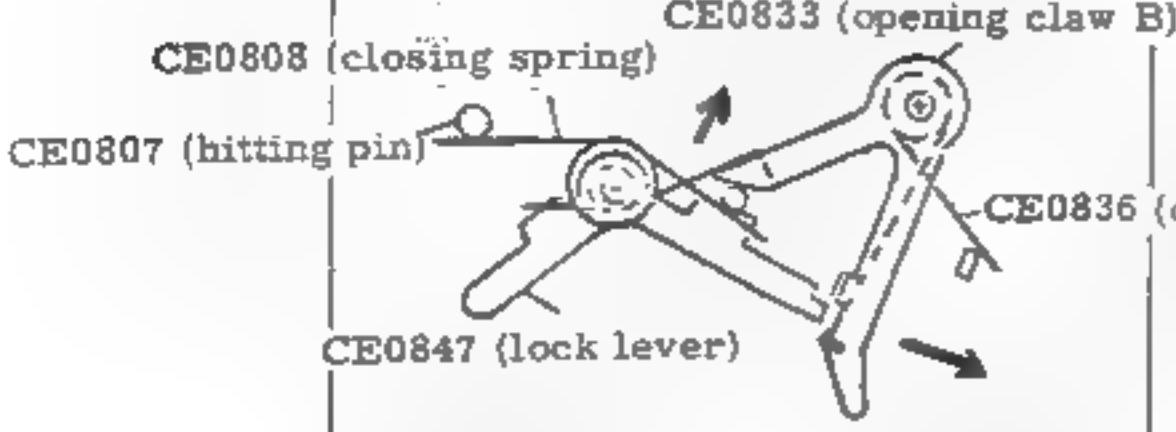
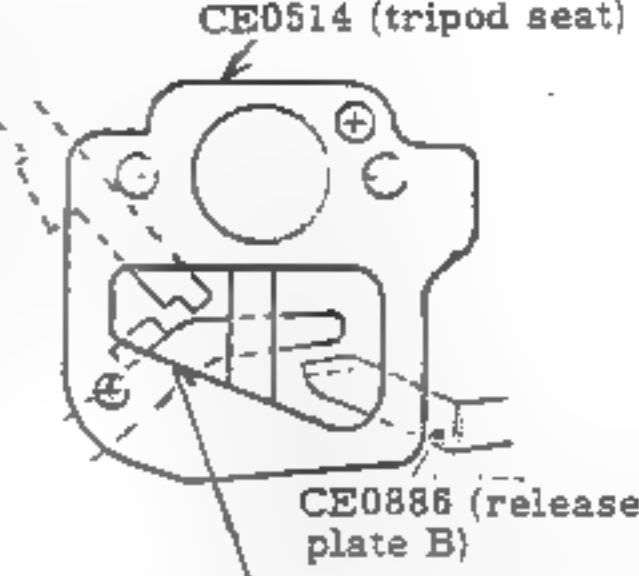
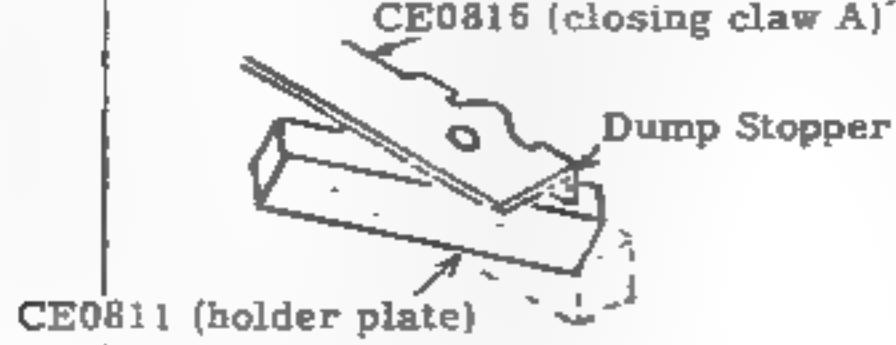
Cause	Remedy	Checkup
1) Adjustment of curtain position improper	See the OM-1 Repair Manual. Note: Do not touch or smudge the curtain. CA8519 (cylinder shaft A) → CA8661 CA8592 (opening claw) → CE0832 CA8520 (cylinder shaft B) → CA8662 CA8521 (bottom stopper) → CA9382 CA8522 (top stopper) → CA9388	

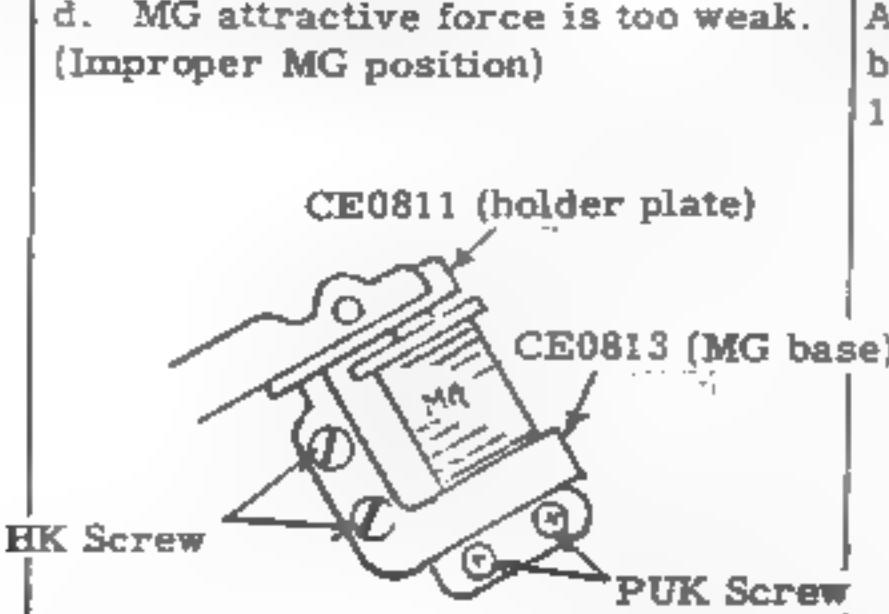
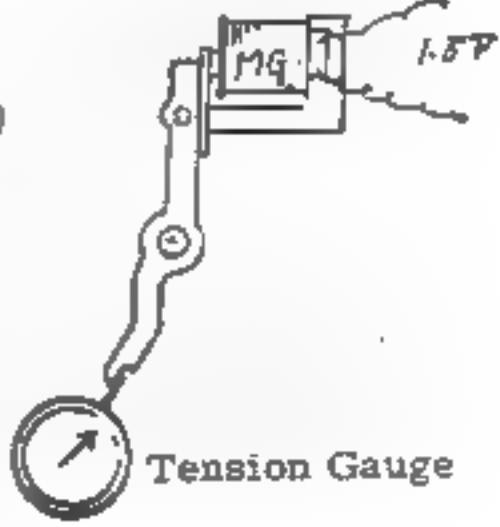
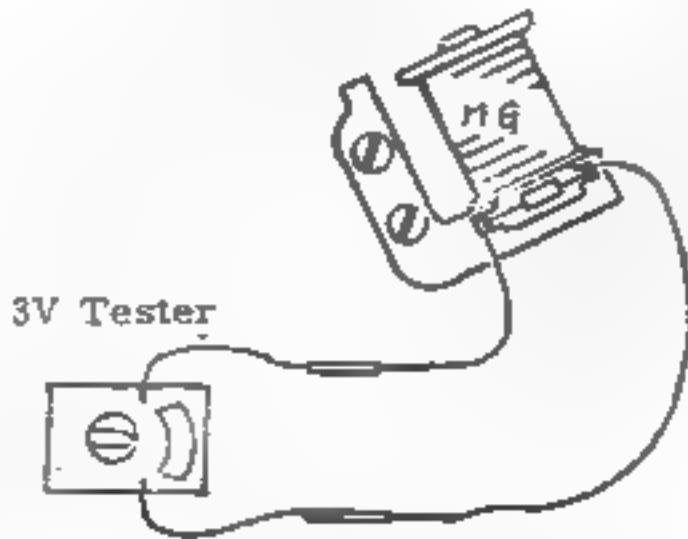
Cause	Remedy	Checkup
	<p>Fine adjustment:</p> <p>Rotate CA8666 (locating seat) of cylinders A and B for fine adjustment of opening and closing curtain positions.</p>	<p>Inclination of curtain:</p> <p>The parallelism against camera mask should be 0.2 or less in the vertical direction.</p>  <p>Difference between a and b should be 0.2 or less.</p> <p>Overlapping of curtain holders:</p> <p>The overlapping of curtain holders should be 2.5mm or more at every position of the picture screen (the curtain holder width is 3mm.)</p>
2) Opening curtain stops at improper position	<p>See the OM-1 Repair Manual.</p> <p>Note:</p> <p>CA8538 (opening curtain) → CE0857 CA8519 (cylinder shaft A) → CA8661 CA8517 (cylinder stopper) → CA8666 (locating seat) CA8501 (S plate) → CE0801</p>	<p>3.7 ± 0.3 when the protrusion of gear A is struck against CE0801 (S plate).</p> <p>See the OM-1 Repair Manual.</p>
3) Brake adjustment improper	<p>See the OM-1 Repair Manual.</p> <p>Note:</p> <p>CA8501 (S plate) → CE0801</p> <p>A-eccentric should be turned clockwise.</p> <p>The part, with which a clearance of 0.05 - 0.2mm is not obtained, is acceptable if its metallic striking noise against CE0801 (S plate) is not heard.</p>	<p>See the OM-1 Repair Manual.</p>

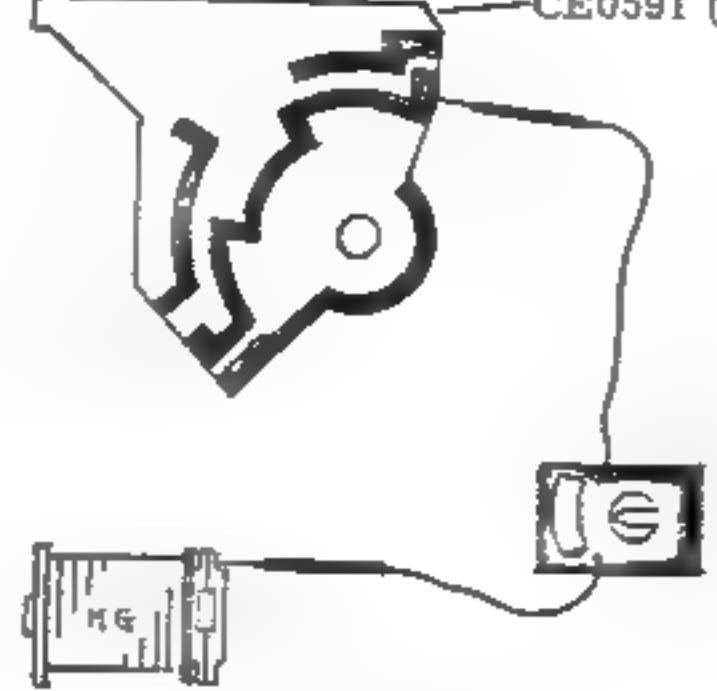
Cause	Remedy	Checkup
4) Spring tension of CA8586 weak	See the OM-1 Repair Manual. Note: CA8501 (S plate) → CE0801	
5) A fitting strip 2 not operating properly	See the OM-1 Repair Manual.	
6) Inaccuracy in surface finish of friction ring of CA8661 (cylinder shaft A)	See the OM-1 Repair Manual.	

3. Shutter locked

Cause	Remedy	Checkup
1) Defective power supply	a. Check battery voltage. b. Check shortcircuit between metallic dowel of CE0942 (switching board) and CA9483 (SW plate). c. Check shortcircuit between CE0507 (cell cover) and PUK1.7-5SN.	The lock voltage is 2.34 ± 0.04 V or less.
2) Defective CE0801 (S plate)	a. Check if clearance between CE0847 (lock lever) and CE0833 (opening claw B) is small. CE0833 (opening claw B) CE0810 (top shaft 2) CE0847 (lock lever)  0.05~0.15	When CE0502 (front plate) is unremoved, remove CE0504 (bottom plate) and look through the hole of CE0514 (tripod seat). The use of loupe of 10 - 20 magnifications is recommended.

Cause	Remedy	Checkup
	<p>Set the shutter dial to any positions other than "B"; press closing claw A lightly to the MG and operate CE0833 (opening claw B) and confirm that the clearance is as above when CE0833 passes the tip of CE0847 (lock lever). This adjustment is to be done with CE0810 (top shaft 2). (CE0502 (front plate) should have been removed.)</p> <p>b. CE0836 (opening spring A) is weaker than CE0808 (closing spring)</p>  <p>CE0808 (closing spring) CE0807 (hitting pin) CE0833 (opening claw B) CE0836 (opening spring A) CE0847 (lock lever)</p> <p>Replace CE0836 (opening spring A).</p>	 <p>CE0514 (tripod seat) CE0886 (release plate B)</p> <p>Look through this hole.</p>
	<p>c. CE0811 (holder plate) rides over the dump stopper of CE0816 (closing claw A).</p>  <p>CE0816 (closing claw A) Dump Stopper CE0811 (holder plate)</p> <p>Replace CE0811, which is fixed to CE0816 with E ring.</p>	<p>Take care not to hurt the attractive surface of CE0811. If not, attractive force will be decreased.</p>

Cause	Remedy	Checkup
	<p>d. MG attractive force is too weak. (Improper MG position)</p>  <p>CE0811 (holder plate) CE0813 (MG base) HK Screw PUK Screw</p> <p>Adjust PUK and HK screws so that MG plate is made parallel at the center of CE0811 (holder plate).</p>	<p>Attractive force should be 60grs or greater at 1.8V.</p>  <p>Tension Gauge</p>
	<p>e. Coil is broken</p>  <p>3V Tester</p>	<p>Normal if coil is conductive when checking by a 6V tester with about 600Ω resistance. If nonconductive. replace MG.</p>
3) Defective main switch	<p>a. Check for brakage of each contact piece of main switch.</p> <p>b. Solder of main switch is removed.</p> <p>c. The main switch is contacted improperly.</p>	

Cause	Remedy	Checkup
	 <p>Remove CE0503 (top plate) and CE0955 (mat) with the mirror kept up. and check by a tester if there is conduction.</p>	<p>Normal if resistance is $\approx 0\ \Omega$.</p>
4) Defective lead wire	<p>a. Check RBJ-B170 (black LW) between the battery compartment and CE0591 for shortcircuit.</p> <p>b. CE0507 (cell cover) and PUK1.7-5SN are shortcircuited.</p> <p>c. The black lead wire is jammed between the main body and CE0502 (front plate) on the upper side of the main switch.</p>	<p>Take out batteries. disconnect the black lead wire from SW circuit board and check for shortcircuit with the body by a tester.</p> <p>Normal if resistance is $\approx 10\ \Omega$. and $=$ on the reverse side. when measuring with the (-) probe of the tester applied to the black LW and the (+) probe to the body.</p>
5) Defective CE0914 (M circuit board)	<p>a. Check for the ineffective soldering on FET and correct the soldering.</p> <p>b. Shortcircuit with IS001: As the metal case of IC is applied with negative potential. it is shortcircuited if contacted to IS001 body.</p>	

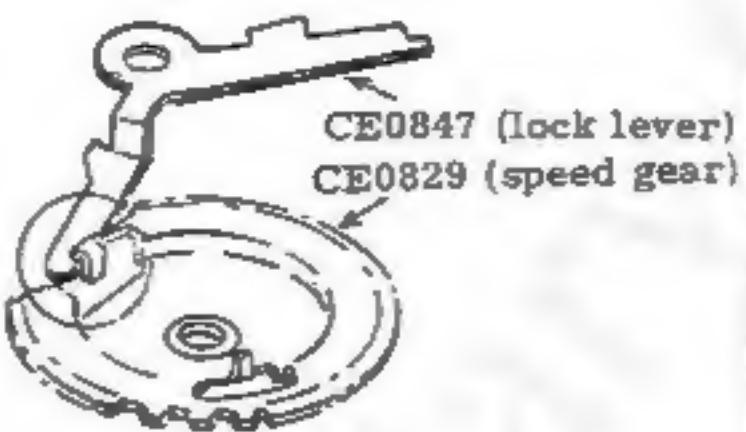
Cause	Remedy	Checkup
	<p>Adjustment of IC height: The clearance between CE0914 (M circuit board) and IC is to be made about 0.3mm. (0.3-clearance jig is available.)</p> <p>c. Shortcircuit between CE0913 (change plate 3) and soldered portion.</p> <p>d. Shutter lock at high ASA setting due to OFFset change. See the section for OFFset adjustment.</p> <p>Check above and make necessary repair.</p>	
6) Defective CE0645 (AR circuit board)	<p>a. Shortcircuit between CE0636 (A-contact piece 1) and periphery of CE0644 (cam holder).</p> <p>b. Shortcircuit between the soldered portion of CE0637 (A-contact piece 2) and CE0643 (A cam).</p> <p>c. Shortcircuit between CE0637 and CE0644 (cam holder) due to the mounting of CE0503 (top plate).</p> <p>d. Shortcircuit between CE0645 (AR circuit board) and CE0501 (body).</p> <p>Check for above points and make necessary repair.</p>	

4. Shutter not locked

Cause	Remedy	Checkup
1) Improper adjustment of CE0886 (release plate B)	<p>a. The clearance between CE0833 (opening claw B) and CE0886 should be about 0.2mm when the shutter is charged. Adjust it by bending the tip of CE0886.</p>	<p>Look through the hole of CE0514 (tripod seat). See Section II - 3 -2) a.</p>

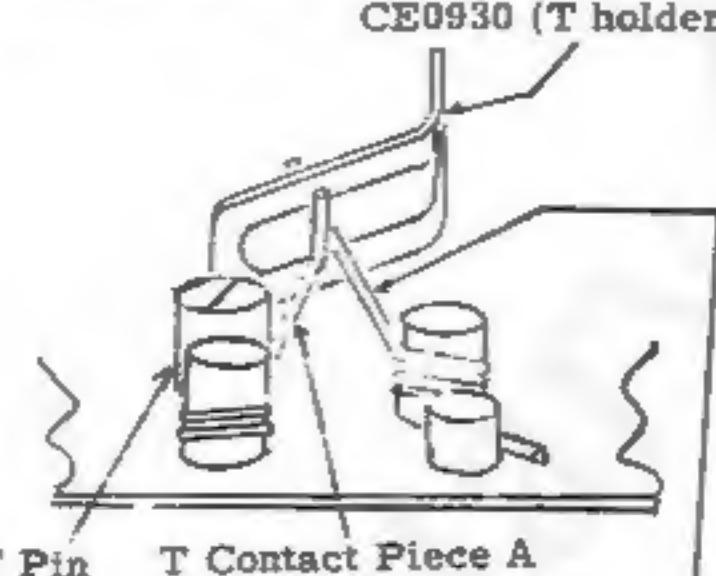
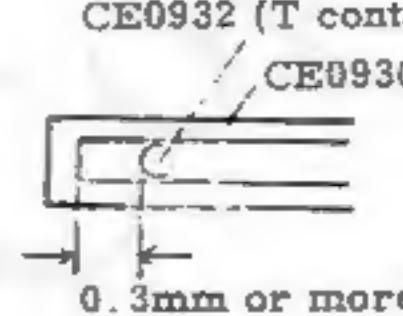
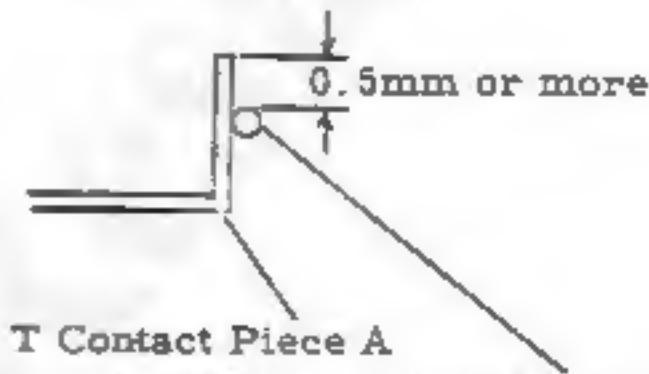
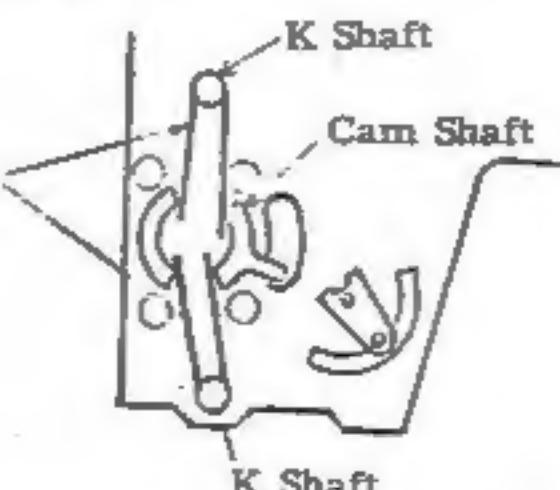
Cause	Remedy	Checkup
	<p>CE0886 (release plate B)</p>  <p>CE0833 (opening claw B)</p> <p>b. CE0886 should be disengaged from the hook of CE0885 (release plate B) smoothly when operating CE0885 in the film wound condition.</p> <p>c. There should be a clearance between CE0833 (opening claw B) and CE0847 (lock lever) when striking the CE0816 (closing claw A) against MG. except at "B".</p> <p>d. When CE0885 is disengaged by one step except at "B". CE0833 should be engaged by 0.3mm or more with a clearance at the notch of lock lever.</p>	<p>See Section II-3-2)-a).</p> <p>See through the hole of CE0514 using a magnifier and confirm.</p> <p>See Section II-3-2)-a).</p>
	<p>CE0833 (opening claw B)</p>  <p>CE0810</p> <p>Lock Lever</p> <p>Adjust with CE0810 (top shaft 2).</p> <p>e. When CE0885 is disengaged by two steps. CE0833 should be locked by the notch of lock lever.</p>  <p>0.7mm or more</p>	

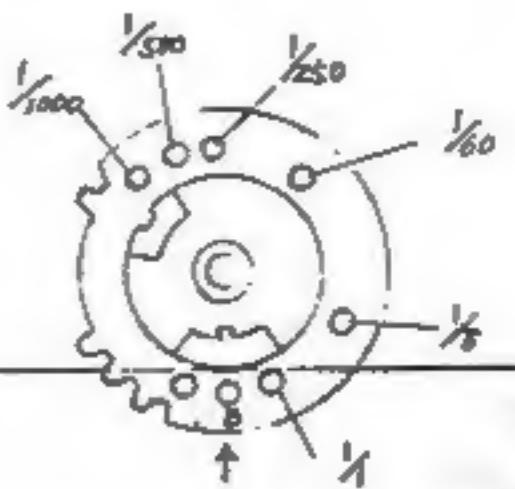
5. Shutter lock not released

Cause	Remedy	Checkup
1) Defective CE0829 (speed gear)	<p>a. CE0847 (lock lever) does not engage with CE0829.</p>  <p>Adjust the bending of CE0847, or replace CE0829 when the backlash of CE0829 is excessive. (The replacement should be done after CE0914 (M circuit board) is removed.)</p>	Even when CE0829 is slightly moved up and down, CE0847 should be engaged therewith by more than 2/3 of the plate thickness.
2) Defective CE0886 (release plate B)	<p>a. Insufficient driving force due to defective operation of CE0886.</p> <p>b. Excessive force of CE0833 (opening claw B).</p> <p>Clean or replace the part.</p>	

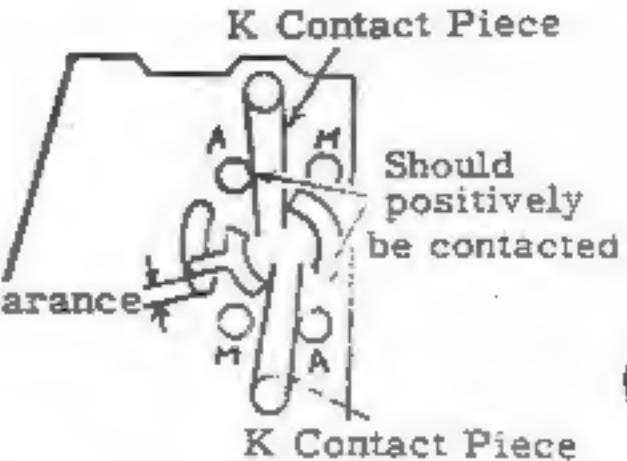
6. Shutter fully opened both at AUTO and MANUAL

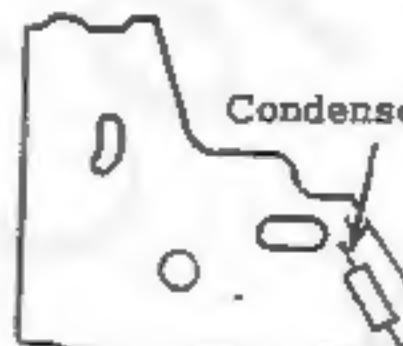
Cause	Remedy	Checkup
1) Lead wire and relateds	<p>a. Shortcircuit between purple lead wire and main body.</p>	Normal if resistance between auto synch contact (CE0526) and main body is $\frac{1}{2}10K\Omega$ when measured by a tester.

Cause	Remedy	Checkup
2) Trigger and relateds	<p>a. CE0932 (T contact piece B) is being disengaged from CE0930 (T holder) and always turned on.</p>  <p>The above illustration shows the condition of CE0930 and T contact pieces A and B after winding the film.</p> <p>b. CE0931 (T holder) contacts CE0930 (T contact piece A).</p> <p>c. The T contact pieces A and B are not separated.</p> <p>Adjustment should be made as above.</p>	 <p>The above illustration shows the position of CE0932 after winding.</p>  <p>The above illustration shows the position of T contact pieces A, B after winding the film.</p> <p>After the opening curtain runs, the contacts should positively be turned off.</p>
3) Defective CE0914 (M circuit board)	<p>a. Improper soldering of FET (defective 1V line).</p> <p>b. Defective IS001 (OFFset displaced).</p> <p>c. Broken or disengaged CE0935 (K contact piece).</p>	

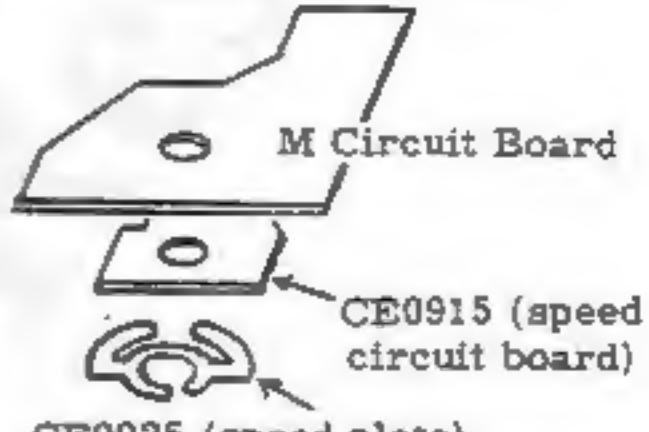
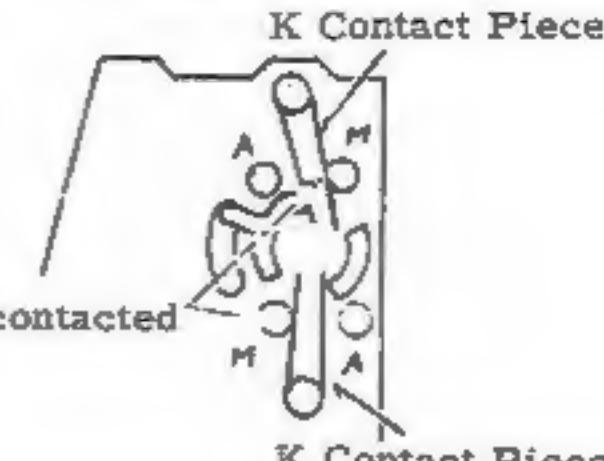
Cause	Remedy	Checkup
	<p>d. Displaced position of CE0829 (speed gear).</p>  <p>When each hole comes to the front (arrowed location), corresponding shutter speed is set. The above illustration shows "B" setting.</p>	
	<p>e. Pattern to K-shaft is broken.</p> <p>See the illustration in c.</p>	

7. Shutter fully opened at AUTO

Cause	Remedy	Checkup
1) Broken wire or contact failure of ASA resistor	<p>a. White LW (RBJ-W105) or yellow LW (RBJ-Y105) of CE0640 (circuit board A) is broken or poorly soldered.</p> <p>b. Broken pattern due to damaged CE0640.</p> <p>c. Contact failure of CE0636 and CE0637 (A contact pieces 1, 2).</p>	
2) Contact failure of CE0935 (K contact piece)	<p>a. Insufficient switching due to insufficient adjustment of CEG910 (charge plate 2).</p> <p>b. Soiled or dusty contacting surface.</p> <p>There should be a clearance of 0.5mm or less.</p>	

Cause	Remedy	Checkup
3) Defective condenser for AUTO	<p>a. The condenser for AUTO is disconnected or poorly soldered.</p> <p>b. Shortcircuit in the condenser for AUTO.</p>	

8. Shutter fully opened at MANUAL

Cause	Remedy	Checkup
1) Defective CE0915 (speed circuit board)	<p>a. White LW (RBJ-W20) or yellow LW (RBJ-Y30) of CE0915 is broken or poorly soldered.</p> <p>b. Contact failure of CE0925</p> <p>c. Broken pattern of CE0915.</p>	
2) Contact failure of CE0935 (K contact piece)	<p>a. Soiled or dusty contacting surface.</p>	
3) Defective condenser for MANUAL	<p>a. The condenser is disconnected or poorly soldered.</p> <p>b. Shortcircuit in the condenser.</p>	